

Claim Amendments

1-25 (Cancelled).

26. (Previously Presented) A manually operated liquid dispenser comprising:
a pump chamber having an interior volume and a cylindrical wall
surrounding the interior volume, the pump chamber cylindrical wall having a center axis;
a dispenser housing having an interior volume containing the pump
chamber cylindrical wall, the dispenser housing having a top wall and a pair of side
walls that surround the pump chamber cylindrical wall with the entire pump chamber
cylindrical wall being spaced inwardly and separated from each of the dispenser
housing top wall and side walls;
a pump plunger mounted to the dispenser housing for axially reciprocating
movement of the pump plunger relative to the pump chamber, the pump plunger having
a liquid discharge passage that communicates with the pump chamber interior volume.

27. (Previously Presented) The dispenser of Claim 26, further comprising:
the pump plunger having a top wall and a pair of side walls that surround
the liquid discharge passage, the pump plunger top wall and side walls each
telescoping with the respective dispenser housing top wall and side walls in response to
reciprocating movement of the pump plunger relative to the pump chamber.

28. (Previously Presented) The dispenser of Claim 27, further comprising:
the dispenser housing top wall and pair of side walls surrounding a front

opening of the dispenser housing; and,

the pump plunger top wall and pair of side walls telescoping through the front opening of the dispenser housing.

29. (Previously Presented) The dispenser of Claim 26, further comprising:

the pump plunger having a center tube with the liquid discharge passage extending through the center tube; and,

the pump plunger having a top wall and a pair of side walls that surround the center tube with the entire center tube being spaced inwardly and separated from each of the pump plunger top wall and side walls.

30. (Previously Presented) The dispenser of Claim 29, further comprising:

the pump plunger top wall and pair of side walls telescoping with the respective top wall and pair of side walls of the dispenser housing.

31. (Previously Presented) The dispenser of Claim 30, further comprising:

the pump plunger having a front wall with a finger engagement surface on the front wall, and the front wall connecting the center tube with the pump plunger top wall and side walls.

32. (Previously Presented) The dispenser of Claim 31, further comprising:

the pump plunger center tube extending through the finger engagement surface.

33. (Previously Presented) The dispenser of Claim 26, further comprising:
the pump plunger having a center tube with the liquid discharge passage
extending through the center tube; and,
a flexible, resilient bulb connecting the center tube to the pump chamber
cylindrical wall and enclosing the interior volume of the pump chamber.
34. (Previously Presented) The dispenser of Claim 33, further comprising:
the pump plunger liquid discharge passage and the pump chamber
cylindrical wall being coaxial.
35. (Previously Presented) The dispenser of Claim 33, further comprising:
a tubular input valve integrally formed with the bulb; and,
a tubular output valve integrally formed with the bulb.
36. (Previously Presented) A manually operated liquid dispenser comprising:
a pump chamber having an interior volume and a cylindrical wall
surrounding the interior volume, the pump chamber cylindrical wall having a center axis;
a dispenser housing having walls surrounding an interior volume
containing the pump chamber;
a pump plunger mounted to the dispenser housing for axially reciprocating
movement of the pump plunger relative to the pump chamber, the pump plunger having
a center tube with a liquid discharge passage extending through the center tube and
communicating with the interior volume of the pump chamber, and the pump plunger

having a top wall and a pair of side walls that surround the center tube with the entire center tube being spaced inwardly and separated from each of the pump plunger top wall and side walls.

37. (Previously Presented) The dispenser of Claim 36, further comprising:

the pump plunger having a front wall with a finger engaging surface on the front wall, and the front wall connecting the center tube with the pump plunger top wall and side walls.

38. (Previously Presented) The dispenser of Claim 37, further comprising:

the pump plunger center tube extending through the finger engagement surface.

39. (Previously Presented) The dispenser of Claim 36, further comprising:

a flexible, resilient bulb connecting the center tube to the pump chamber cylindrical wall and enclosing the interior volume of the pump chamber.

40. (Previously Presented) The dispenser of Claim 39, further comprising:

a tubular input valve integrally formed with the bulb; and,
a tubular output valve integrally formed with the bulb.

41. (Previously Presented) The dispenser of Claim 40, further comprising:

the pump plunger liquid discharge passage, the tubular input valve, the

tubular output valve, and the pump chamber cylindrical wall all being coaxial.

42. (Previously Presented) The dispenser of Claim 41, further comprising:

a liquid discharge orifice communicating with the liquid discharge passage, the liquid discharge orifice being coaxial with the liquid discharge passage.

43. (Previously Presented) A manually operated liquid dispenser comprising:

a pump chamber having an interior volume and a cylindrical wall surrounding the interior volume, the pump chamber cylindrical wall having a center axis; a dispenser housing having walls surrounding an interior volume containing the pump chamber;

a pump plunger mounted to the dispenser housing for axially reciprocating movement of the pump plunger relative to the pump chamber, the pump plunger having a liquid discharge passage that communicates with the pump chamber interior volume; and,

a flexible, resilient bulb connecting the pump plunger to the pump chamber cylindrical wall and enclosing the pump chamber interior volume, the bulb having an integral tubular output valve and an integral tubular input valve.

44. (Previously Presented) The dispenser of Claim 43, further comprising:

the pump chamber cylindrical wall having an input port; and, the bulb tubular input valve overlaying the input port.

45. (Previously Presented) The dispenser of Claim 44, further comprising:
the pump plunger having a center tube with the liquid discharge passage
extending through the center tube; and,
the bulb tubular output valve engaging around the pump plunger center
tube.
46. (Previously Presented) The dispenser of Claim 44, further comprising:
the pump plunger having a liquid discharge orifice communicating with the
liquid discharge passage, and the liquid discharge orifice and the pump chamber
cylindrical wall being coaxial.
47. (Previously Presented) The dispenser of Claim 43, further comprising:
the bulb having an integral vent valve.
48. (Previously Presented) The dispenser of Claim 43, further comprising:
the dispenser housing having a vent port; and,
the bulb having an integral vent valve that engages over the vent port.
49. (Previously Presented) The dispenser of Claim 43, further comprising:
the dispenser housing having a top wall and a pair of side walls that
surround the pump chamber and the bulb; and,
the pump plunger having a top wall and a pair of side walls that surround
the bulb.

50. (Previously Presented) The dispenser of Claim 49, further comprising:
the pump plunger top wall and pair of side walls telescoping with the
respective dispenser housing top wall and pair of side walls.